TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-03-19-04

Date: 22-03-2018

Sample ID No : 2018-03-19-04 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.19	–
2	Specific Gravity	2.54	–
3	Material finer than 75 micron(%)	5.8	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:

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ಪೆಟ್ಟಿಗೆ ಅಭಿವೃದ್ಧಿ, ಮಾಗಡಿ ಮತ್ತು
ಬೈರಿತಿ ಪಂಗಡದ ಮತ್ತಾಗಡ ಪಾಲಿಕೆ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST RESULTS OF STEEL

Date: 21-03-2018

Lab ID	:	CP-2018-03-19-04
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drain in 19th, 12th Cross roads at Ravindra Nagara in Ward No.13, Shettyhalli Sub Division.
Agency	:	Smt.Jayamma.K No.74, Behind Grama Panchayiti office, Shankhoy Layout, Dasanapura, Bangalore-562123.
Customer's Reference	:	EE/DD/WO/293/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-03-2018
Sample ID No	:	2018-03-19-04 /05
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	20-03-2018

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	548	658	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	462	673	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.885	578	892	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-04-02-01 **Date: 07/04/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drain in 19th, 12th Cross roads at Ravindra Nagara in Ward No.13, Shettyhalli Sub Division.
Agency	:	Smt.Jayamma.K No.74, Behind Grama Panchayiti office, Shanbhog Layout, Dasanapura, Bangalore-562123.
Customer's Reference	:	EE/DD/WO/293/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-04-2018
Sample ID No	:	2018-04-02-01 /01
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	31/03/2018	07/04/2018	149.85 X 150.18 X 150.45	22504	8.214	366.8	16.3	16.7
2	Drain Concrete	M20	31/03/2018	07/04/2018	149.87 X 150.33 X 151.98	22530	8.168	385.3	17.1	
3	Drain Concrete	M20	31/03/2018	07/04/2018	150.97 X 150.58 X 149.68	22733	8.172	381.9	16.8	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-04-02-01

Date: 28/04/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drain in 19th, 12th Cross roads at Ravindra Nagara in Ward No.13, Shettyhalli Sub Division.

Agency : Smt.Jayamma.K No.74, Behind Grama Panchayiti office, Shanbhog Layout, Dasanapura, Bangalore-562123.

Customer's Reference : EE/DD/WO/293/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-04-2018

Sample ID No : 2018-04-02-01 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	31/03/2018	28/04/2018	149.87 X 149.62 X 151.73	22424	8.145	511.3	22.8	22.4
2	Drain Concrete	M20	31/03/2018	28/04/2018	150.44 X 150.79 X 150.23	22685	8.205	496.8	21.9	
3	Drain Concrete	M20	31/03/2018	28/04/2018	150.49 X 151.32 X 151.49	22772	8.198	510.1	22.4	

Note:

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಪೂರ್ವವಲಯ ಬಳಿಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/04/2018

Lab ID	:	CP-2018-03-29-04
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC drain in 19th, 12th Cross roads at Ravindra Nagara in Ward No.13, Shettyhalli Sub Division.
Agency	:	Smt.Jayamma.K No.74, Behind Grama Panchayiti office, Shanbhog Layout, Dasanapura, Bangalore-562123.
Customer's Reference	:	EE/DD/WO/293/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-03-2018
Sample ID No	:	2018-03-29-04 /01
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	26/03/2018	02/04/2018	150.11 X 149.48 X 151.35	22438	8.175	271.5	12.1	12.4
2	PCC	M15	26/03/2018	02/04/2018	150.44 X 149.87 X 150.34	22546	8.163	290.8	12.9	
3	PCC	M15	26/03/2018	02/04/2018	150.66 X 150.49 X 149.54	22673	8.155	278.9	12.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-29-04 Date: 23/04/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC drain in 19th, 12th Cross roads at Ravindra Nagara in Ward No.13, Shettyhalli Sub Division.

Agency : Smt.Jayamma.K No.74, Behind Grama Panchayiti office, Shanbhog Layout, Dasanapura, Bangalore-562123.

Customer's Reference : EE/DD/WO/293/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-03-2018

Sample ID No : 2018-03-29-04 /02

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	26/03/2018	23/04/2018	149.86 X 151.47 X 150.33	22699	8.175	392.7	17.3	17.3
2	PCC	M15	26/03/2018	23/04/2018	150.49 X 150.33 X 149.87	22623	8.162	386.9	17.1	
3	PCC	M15	26/03/2018	23/04/2018	150.28 X 150.77 X 150.98	22658	8.179	398.8	17.6	

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